REMARKS

Claims 1-12 have been canceled in favor of new claims 13-23. Applicants submit that these new claims are patentably distinguishable from the references cited in the Office Action.

Claim 13 recites a data transmission system, comprising a computer and a modem coupled to the computer through a Bluetooth connection. Data packets are transmitted between the computer and modem through the Bluetooth connection, and the modem transmits the data packets via an air interface for accessing the Internet.

The Kikinis patent discloses a plurality of computer terminals 100-600, each of which transmits data packets to a transceiver that includes a router 400. (See Figure 1). Unlike the system of claim 13, the connection between the computers and transceiver is a satellite link, not a Bluetooth connection as recited in claim 13. Accordingly, claim 13 is distinguishable from the Kikinis patent. In the Leatherbury system, communication links 102 are also not local links.

Claim 14 recites that the modem includes a radio transmitting system containing a multi-access system that allows a plurality of computers to access at least one radio communication terminal. Kikinis does not teach or suggest these features, as all of its computers are not locally connected to router 410 which was indicated in the Office Action to correspond to the multi-access system. Leatherbury is also deficient in this respect.

Claim 16 recites that the modem includes at least one radio communication terminal and a multi-access system between the radio communication terminal and computer. Depending from claim 16, claim 17 recites that the multi-access system "sends data packets belonging to a same call from the computer for wireless transmission <u>through a plurality of radio communication terminals</u>." (Emphasis added). The Kikinis patent does not teach or suggest these features.

The Kikinis patent discloses a router 410 which transmits data packets from a plurality of computer terminals 100-600 to the Internet. Unlike the system in claim 19, router 410 does not transmit data through a plurality of radio communication terminals. Even more importantly, the Kikinis patent does not teach or suggest that router 410 sends packets belonging to a same call from a computer for wireless transmission through multiple ones of the communication terminals. Rather, in the Kikinis system, all packets relating to a same data call are transmitted to the Internet through a common transmitter link.

The Leatherbury is also deficient in this respect. The Leatherbury publication discloses a hub 105 which transmits data between end users 109 and one or more networks 11, 113, 115, and 116. The data is transmitted based on time slot assignments mapped to specific destination IP addresses stored in a look-up table. However, the Leatherbury publication does not teach or suggest controlling the transmission of data packets associated with a <u>same call through a plurality of radio communication terminals</u> as recited in claim 17.

Claim 18 recites that "the multi-access system sends the data packets through the plurality of radio communication terminals based on a same destination IP address and a same data link address, said same data link address corresponding to the computer." This same IP address allows the packets to arrive at the same destination terminal, even through the packets may have been transmitted through different ones of the radio communication terminals. Further, the same data link address allows packets received by the radio communication terminals to be sent to the same user equipment. None of these features are taught or suggested by the Kikinis patent or Leatherbury patents.

Claim 19 recites that the multi-access system comprises a multimedia system for receiving data packets from a plurality of computers; a packet-call connection system for interfacing with one or more radio communication terminals; and a multi-access routing system for routing data packets from the multimedia system to the radio communication terminals according to a slot assignment method. These features are not taught or suggested by the Kikinis or Leatherbury references, whether taken alone or in combination.

Claim 20 recites that the slot assignment method is set by the plurality of computers. These features are not taught or suggested by the Kikinis or Leatherbury references, whether taken alone or in combination.

Claim 21 recites that the slot assignment method comprises performing a one-on-one assignment for mapping each of the computer to a respective one of the radio communication terminals; and a common sharing method for allowing each computer to share the plurality of radio communication terminals for transmitting data packets. These features are not taught or suggested by the Kikinis or Leatherbury references, whether taken alone or in combination.

Claim 22 recites that the multimedia system comprises a plurality of physical data link control circuits provided in one-to-one correspondence with the plurality of computers, each of said physical data link control circuits controlling a corresponding physical data link; a TCP/IP control circuit to perform a TCP/IP protocol function on data packets transmitted from the plurality of physical data link control circuits; a command/response control circuit for performing/responding to a command of the computers transmitted from the TCP/IP control circuit; and a data control circuit for sorting and buffering data transmitted from the TCP/IP control circuit. These features are not taught or suggested by the Kikinis or Leatherbury references, whether taken alone or in combination.

Claim 23 recites that the multi-access routing system sets a slot assignment method according to a command of at least one of the computers, assigns a slot to said one of the computers according to the set slot assignment method, and routes data packets associated with a same call between said one of the computers and multiple ones the radio communication terminals based on said same destination IP address and said same data link address associated
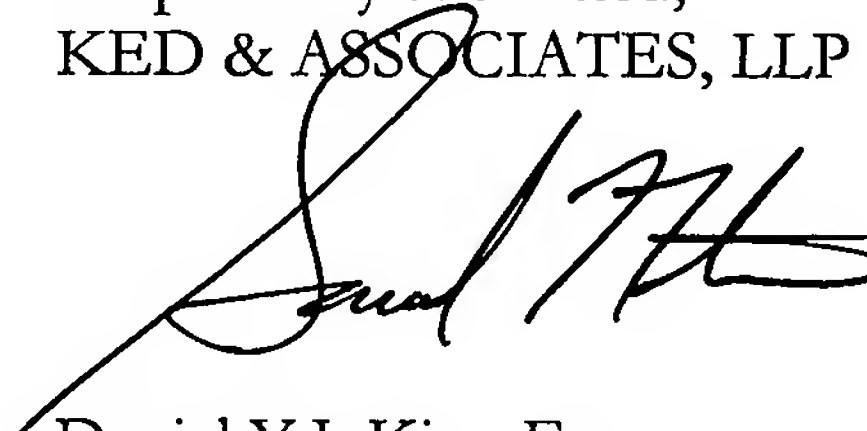
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with each of the packets. These features are not taught or suggested by the Kikinis or Leatherbury references, whether taken alone or in combination.

Applicants respectfully request withdrawal of all the rejections and objections in the Office Action based on the new claims presented herein. Favorable consideration and timely allowance of the application are respectfully requested.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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